Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/05/2019 10:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125184	0	1.22	125226	1.23
Blue	F	SSC	125000	124852	-1	1.50	125626	1.52
Blue	E	FITC	16122	15718	-3	2.66	342	20.25
Blue	D	PE	29316	28808	-2	1.77	629	14.22
Blue	B	PerCP-Cy5-5	42590	41922	-2	3.54	1123	20.13
Blue	A	PE-Cy7	33146	33365	0	6.04	635	41.20
Red	C	APC	45473	44946	-2	2.37	1592	11.99
Red	A	APC-Cy7	31961	30723	-4	2.36	814	11.94
Violet	B	V450	7914	7624	-4	5.09	427	13.36
Violet	A	V500	29769	29271	-2	4.83	678	10.94

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21407	3.25	608	8	N/A	N/A	Pass
Blue	F	SSC	56729	1.10	553	15	N/A	N/A	Pass
Blue	E	FITC	61	65.09	540	3	0.0195	142	Pass
Blue	D	PE	131	51.12	542	5	0.2052	402	Pass
Blue	B	PerCP-Cy5-5	206	49.78	644	6	0.0093	70	Pass
Blue	A	PE-Cy7	120	100.08	698	7	0.0107	13	Pass
Red	C	APC	378	25.26	585	6	0.0251	172	Pass
Red	A	APC-Cy7	181	29.26	560	4	0.0057	1351	Pass
Violet	B	V450	65	61.05	468	8	0.0572	2486	Pass
Violet	A	V500	102	34.64	480	8	0.0228	947	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.17	-31.85	0.96
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.81	13.60 - 20.40	N/A	N/A	29.45	29.89	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10930

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments